



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:** Hooykaas et al.

**Serial No.:** 10/601,084

**Filed:** June 20, 2003

**For:** NUCLEIC ACID INTERGRATION IN  
EUKARYOTES

**Examiner:** To be assigned

**Group Art Unit:** To be assigned

**Attorney Docket No.:** 2183-6028US

**CERTIFICATE OF MAILING**

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July 22, 2003  
Date

*Betty Vowles*  
Signature

Betty Vowles  
Name (Type/Print)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
WO 02/052026 A2	07-04-2002	Universiteit Leiden

Other Documents

BUNDOCK et al., Integration of *Agrobacterium tumefaciens* T-DNA in the *Saccharomyces cerevisiae* genome by illegitimate recombination, Proc. Natl. Acad. Sci., December 1996, pp. 15272-75, Vol. 93, USA.

BUNDOCK et al., T-DNA from *Agrobacterium tumefaciens* as an efficient tool for gene targeting in *Kluyveromyces lactis*, Mol. Gen. Genet., 1999, pp. 151-21, Vol. 261, USA.

BUNDOCK et al., Trans-kingdom T-DNA transfer from *Agrobacterium tumefaciens* to *Saccharomyces cerevisiae*, The EMBO Journal, 1995, pp. 3206-14, Vol. 14, No. 13.

CRITCHLOW et al., DNA end-joining: from yeast to man, TIBS, October 1998, pp. 394-98, Vol. 23.

GOUKA et al., Transformation of *Aspergillus awamori* by *Agrobacterium tumefaciens*--mediated homologous recombination, Nature Biotechnology, June 1999, pp. 598-601, Vol. 17.

SCHIESTL et al., Effect of Mutations in Genes Affecting Homologous Recombination on Restriction Enzyme-Mediated and Illegitimate Recombination in *Saccharomyces cerevisiae*, Molecular and Cellular Biology, July 1994, pp. 4493-500, Vol. 14, No. 7.

TSUKAMOTO et al., Silencing factors participate in DNA repair and recombination in *Saccharomyces cerevisiae*, Nature, August 28, 1997, pp. 900-03, Vol. 388.

VERGUNST et al., VirB/D4-Dependent Protein Translocation from *Agrobacterium* into Plant Cells, Science, November 3, 2000, pp. 979-82, Vol. 290.

Database EMBL 'Online! EBI; 1 October 2000, WEST et al., Arabidopsis thaliana ligase IV homologue is induced by gamma irradiation and interacts with an Arabidopsis homolog of the double strand break repair protein XRCC4, Database accession no. Q9LL84, XP002170168 abstract.

Database EMBL 'Online!, EBI, 1 November 1999, HARTUNG et al., Isolation of the complete cDNA of the Mrell homologue of Arabidopsis thaliana indicates conservation of DNA

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recombination mechanisms between plants and other eucaryotes, Database accession no. Q9XGM2, XP002170167 abstract.

Database EMBL 'Online! EBI, 3 March 2000, GALLEGO et al., The Rad50 homolog of Arabidopsis, Database accession no. AF168748, XP002150323 abstract.

BUNDOCK et al., T-DNA from Agrobacterium tumefaciens as an efficient tool for gene targeting in Kluyveromyces lactis, Mol. Gen. Genet., February 1999, pp. 115-21, Vol. 261, No. 1, Abstract, 1 page.

HABER et al., Gene Targeting and Nonhomologous End-Joining in Saccharomyces, Research Program Workshop I Abstracts, November 10-12, 1999, 1 page.

SCHIESTL et al., Effect of mutations in genes affecting homologous recombination on restriction enzyme-mediated and illegitimate recombination in Saccharomyces cerevisiae, Mol. Cell. Biol. Jul. 1994, pp. 4493-500., Vol. 7, Abstract, 1 page.

This Supplemental Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,



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Date: July 21, 2003  
ACT/bv

Enclosures: Form PTO-1449 or PTO/SB/08  
Cited Documents

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 3

**Complete if Known**

Application Number	10/601,084
Filing Date	June 20, 2003
First Named Inventor	Hooykaas et al.
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	2183-6028IUS

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BUNDOCK et al., Integration of Agrobacterium tumefaciens T-DNA in the Saccharomyces cerevisiae genome by illegitimate recombination, Proc. Natl. Acad. Sci., December 1996, pp. 15272-75, Vol. 93.	
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		BUNDOCK et al., T-DNA from Agrobacterium tumefaciens as an efficient tool for gene targeting in Kluyveromyces lactis, Mol. Gen. Genet., February 1999, pp. 115-21, Vol. 261, No. 1, Abstract, 1 page.	
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